

Serial No. 10/501,425

Amendments to the ClaimsRECEIVED
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These claims will replace all prior versions, and listings, of claims in the application:

1. (previously presented) Method of coding a data stream, comprising:

providing the data stream including a high level data packet having at least two partitions of data with different code rates; and

inserting a partition detector between the two partitions to provide information for coding the two partitions with the different code rates.

2. (previously presented) Method according to claim 1, further comprising generating a partition detector.

3. (previously presented) Method according to claim 1, where the partition detector includes a trigger and a code rate field.

4. (original) Method according to claim 3, wherein the code rate field gives information regarding the code rates to be used for the two partitions.

5. (previously presented) Method according to claim 4, wherein the code rate field is an identifier of the transition from a first code rate to be associated with one of the partitions to a second code rate associated with an other of the partitions.

6. (previously presented) Method according to claim 1, further comprising generating low-level

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~~data packets including the high-level data packet as payload.~~

7. (previously presented) Method according to claim 6, further comprising coding the low-level data packets with different code rates determined by the partition detector.

8. (original) Method according to claim 7, wherein the partition detectors are not coded.

9. (previously presented) Method according to claim 7, further comprising sending the coded low-level data packets to a receiving device.

10. (previously presented) Method according to claim 1, further comprising at least three partitions such that the partition detector is inserted after every partition.

11. (previously presented) Method of decoding a coded data stream, comprising:

receiving the coded data stream including at least one low level data packet having at least two partitions coded with different code rates ;

extracting information from a partition detector inserted between the two partitions in the low level data packet; and

decoding the two partitions using the different code rates based upon code rate information extracted from the partition detector.

12. (previously presented) Method according to claim 11, further comprising forming at least one high level data packet out of the decoded low level data packets.

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13. (previously presented) Method according to claim 12, further comprising removing the inserted partition detector from the data stream.

14. (previously presented) Method according to claim 13, further comprising supplying the data stream including at least one high level data packet to a source decoder.

15. (previously presented) A device for coding a coded data stream, comprising:

at least one high level data packet including at least two partitions of data with different code rates;

a partition detector inserter for inserting a partition detector between the two partitions to provide information for coding the two partitions with the different code rates.

16. (previously presented) A device for decoding a coded data stream having at least two low level data packets including partitions of data having different code rates, comprising:

a controller for reading partition detector information inserted between the two partitions; and

a decoder for decoding the two partitions at the different code rates obtained from the partition detector.

17. (canceled)

18. (canceled)